

Notice of Allowability

Application No.

09/675,628

Examiner

X L Bautista

Applicant(s)

CHEN ET AL.

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to document filed on 10/25/04.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☒ The drawings filed on 01 June 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

X. L. Bautista
Primary Examiner
Art Unit 2179

DETAILED ACTION

Reasons for Allowance

- I. Claims 1-28 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Independent claims 1, 12 and 26 have been carefully considered. Prior art of record fails to teach the combination of claimed elements including a user interface having menus to enable a user to specify components of a SONET ring, calculating and drawing a graphical representation of the SONET ring illustrating each node and link specified by the user wherein the link has a time slot; accessing data related to user selection of a node and displaying more detailed information about the selected node.

Grau et al (US 5,910,803) discloses a network mapping tool for managing internetwork computing systems. Grau teaches a user interface for displaying an atlas to facilitate comprehension of logical relationships between components of the system.

Yoshiyama (US 5,621,383) discloses a ring network system having nodes connected in a ring shape to a ring-shaped path; the system being capable of collecting node information signals from the node stations in each node station.

Andersson (US 6,058,103) discloses a method and system for managing a telecommunications network having diverse network elements. The system including a graphical user interface for displaying and enabling a user to interact with an object model of the physical network having nodes and links. Anderson teaches a software architecture to manage synchronization distribution in a SONET/SDH telecommunications network.

Grau, Yoshiyama, and Andersson fail to teach or suggest calculating and drawing graphical representations of a synchronized optical network ring using user specified nodes and links; and selectively displaying more detailed information about selected nodes having links containing a time slot.

Xu et al (US 5,715,432) discloses a method and system for developing network analysis and modeling with graphical objects. Users are enabled to interactively select and display graphical objects representative of at least a portion of a network. The system has a library that provides pre-built graphical objects as well as graphical and non-graphical network elements such as networks, SONET rings, and interfaces to external optimizers. Xu fails to teach selectively displaying more detailed information about selected nodes having links containing a time slot.

Conclusion

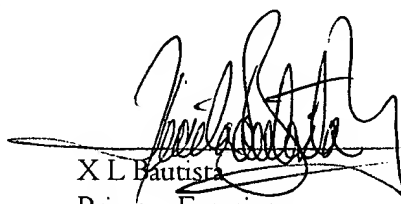
3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to X L Bautista whose telephone number is (571) 272-4132. The examiner can normally be reached on Monday-Thursday 8:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



X L Bautista
Primary Examiner
Art Unit 2179

xlb

May 24, 2005